

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/10146

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G05D23/19 F25D31/00 F25D29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G05D F25D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 343 712 A (GOWAN WILLIAM A) 6 September 1994 (1994-09-06)	1,2,4-8
Y	column 5, line 1 -column 7, line 4; figures 1A,1B,2,3	3
Y	US 4 784 212 A (BRIMER BENNY ET AL) 15 November 1988 (1988-11-15) column 4, line 53 -column 4, line 62; figure 11	3
A	FR 2 759 774 A (JCM SYSTEM) 21 August 1998 (1998-08-21) page 5, line 1 -page 5, line 26	1-8
A	US 4 490 982 A (CHRISTMAS MICHAEL J) 1 January 1985 (1985-01-01) column 4, line 5 -column 4, line 16; claims 1,5; figures 2,3	1,2
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

S document member of the same patent family

Date of the actual completion of the international search

5 December 2002

Date of mailing of the international search report

16/12/2002

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 3 709 289 A (WEATHERSTON R) 9 January 1973 (1973-01-09) column 2, line 31 -column 4, line 49; figure 1</p> <p>-----</p>	1-8

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 02/10146

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5343712	A	06-09-1994	NONE	
US 4784212	A	15-11-1988	NONE	
FR 2759774	A	21-08-1998	FR 2759774 A1	21-08-1998
US 4490982	A	01-01-1985	DE 3238535 A1 US 4474015 A	19-04-1984 02-10-1984
US 3709289	A	09-01-1973	NONE	

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